

Amendments to the Claims:

Following is a complete listing of the claims pending in the application, as amended:

1-14. (Canceled)

15. (Currently amended) A method in a computer system for displaying a graphical representation of expression levels of a plurality of splice variants of a gene in one or more samples, each of the plurality of splice variants of the gene having modules, the method comprising:

identifying modules for each splice variant of the gene, wherein each module represents ~~representing a subsequence of the splice variant selected from an exon and or an intron of a~~ splice variant of a gene and has a length,

applying a first mathematical function to the length of a first subsequence module of a first splice variant to obtain a scaled length for the first subsequence module of the first splice variant for graphical representation,

applying a second, different, mathematical function to the length of a second subsequence module of the first splice variant to obtain a scaled length for the second subsequence module for graphical representation,

determining a relative expression level for each of the plurality of splice variants module by applying a mathematical algorithm to expression level data obtained using exon-exon junction indicator polynucleotides that selectively hybridize to exon-exon junctions of a given the plurality of splice variant variants, and

displaying a graphical representation wherein the modules of the given splice variants are aligned to each other, ~~with corresponding modules or exons of other splice variants of the gene~~ wherein the representation indicates the relative expression levels of each of the plurality of splice variants of the gene modules, and wherein the scaled length of the first subsequence module and the scaled length of the second subsequence module are displayed simultaneously on an output device linked to a suitably programmed computer.

16. (Previously presented) The method of claim 15, wherein the modules are a minimal set of non-overlapping modules.

17. (Previously presented) The method of claim 16, wherein the modules further include extended portions of exons, and extended portions of introns.

18. (Previously presented) The method of claim 15, wherein the modules are constitutive.

19. (Previously presented) The method of claim 15, wherein the modules are non-constitutive.

20. (Previously presented) The method of claim 15, wherein the first or second mathematical function is a linear equation.

21. (Previously presented) The method of claim 15, wherein the first or second mathematical function is a logarithmic equation.